

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
1 September 2005 (01.09.2005)

PCT

(10) International Publication Number  
**WO 2005/079236 A2**

- (51) International Patent Classification: Not classified
- (21) International Application Number:  
PCT/US2005/003715
- (22) International Filing Date: 4 February 2005 (04.02.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
60/542,391 6 February 2004 (06.02.2004) US
- (71) Applicant (for all designated States except US):  
**ADVANCED BIONUTRITION CORPORATION**  
[US/US]; 6430 Dobbin Road, Suite C, Columbia, MD  
21045 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **KYLE, David, J.**  
[US/US]; 1801 Narbeth Road, Catonsville, MD 21228  
(US). **DHAR, Arun, K.** [US/US]; 15582 Paseo Ajanta,  
San Diego, CA 92129 (US).
- (74) Agents: **COLBY, Gary, D.** et al.; Duane Morris LLP, One  
Liberty Place, Philadelphia, PA 19103-7396 (US).
- (81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.
- (84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,  
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,  
GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:  
— without international search report and to be republished  
upon receipt of that report
- For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: RNA-MEDIATED INTERFERENCE TO CONTROL DISEASE IN TERRESTRIAL AND AQUACULTURE ANI-  
MALS

(57) Abstract: The invention is directed to compositions (e.g., feeds, feed supplements, and therapeutic products) and methods for  
inhibiting an animal pathogen using RNA-interference technology.

WO 2005/079236 A2